

Commonwealth of Kentucky
Division for Air Quality
EXECUTIVE SUMMARY

FINAL

Conditional Major, Construction / Operating

Permit: F-08-031

Owensboro Riverport Authority

Owensboro, KY 42301

December 2, 2008

Daniel Hall, Reviewer

SOURCE ID:	21-059-00147
AGENCY INTEREST:	945
ACTIVITY:	APE20080003

SOURCE DESCRIPTION:

Owensboro Riverport Authority currently operates a grain and coal barge loading facility under the authority of State Origin Permit # S-07-139 (Revision 1). On July 28, 2008, Owensboro Riverport Authority applied to the Division to add a leaded gasoline unloading operation at its facility located at 2300 Harbor Road in Owensboro, Kentucky. This source also purchased additional grain handling facilities at this location that were originally owned and operated by Owensboro Grain Company, Inc.

The leaded gasoline unloaded at this facility will range in octane rating from 110 to 118, and will be transferred directly from rail cars to tanker trucks. The maximum unloading rate for this operation will be one hundred forty (140) gallons per minute. Once the gasoline is transferred to the tanker trucks, it will be transported off-site. Leaded gasoline will not be stored at this facility. The source does not plan to apply any air pollution control devices (vapor balance system or vapor recovery unit) to the leaded gasoline unloading operation.

The grain handling operations that were purchased from Owensboro Grain Company, Inc. include a headhouse (internal elevator legs/conveyors), a column grain dryer, 3 outdoor storage bins, an on-ground storage pile, a truck receiving pit, and a rail/truck loadout.

EMISSIONS AND OPERATING CAPS DESCRIPTIONS:

Owensboro Riverport Authority voluntarily proposed a one million (1,000,000) gallons per year (rolling twelve (12) month total) throughput limit for the leaded gasoline unloading operation to limit the sources potential to emit (PTE) for: volatile organic compounds (VOCs) below ninety (90) tons per year; individual hazardous air pollutants (HAPS): methyl tertiary-butyl ether (MTBE), toluene, xylene, and hexane below nine (9) tons per year, each; and combined hazardous air pollutants (HAPs) below twenty-two and one half (22.5) tons per year. Compliance with the permit limit will preclude applicability of State Regulation 401 KAR 52:020, Title V permits.

OPERATIONAL FLEXIBILITY:

The source is restricted to a maximum leaded gasoline unloading throughput of one million (1,000,000) gallons per year.

PUBLIC AND U.S. EPA REVIEW:

On October 29, 2008, the public notice on availability of the draft permit and supporting material for comments by persons affected by the plant was published in *The Messenger-Inquirer* in Owensboro, Kentucky. In addition, notification of the issuance of the draft permit was sent to the U.S. EPA on October 27, 2008 via e-mail. The public comment period expired 30 days from the date of publication. No comments were received during this period. The permit is now being issued final.